

Title (en)

Membrane process and system for nitrogen production.

Title (de)

Membran-Verfahren und System für die Herstellung von Stickstoff.

Title (fr)

Procédé à membrane et système pour la production d'azote.

Publication

**EP 0335418 A2 19891004 (EN)**

Application

**EP 89105710 A 19890331**

Priority

US 17665888 A 19880401

Abstract (en)

On-site membrane systems are used for air separation to produce a low purity nitrogen stream and for purifying impure hydrogen, the nitrogen and hydrogen being passed to a catalytic combustion system in which the oxygen content of the nitrogen stream is reacted with said hydrogen to reduce the residual oxygen content of the nitrogen in a final purification operation to produce high purity nitrogen. Pressure swing adsorption systems can be employed in place of the membrane systems for particular applications, and a cryogenic system can be employed for said hydrogen purification.

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IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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